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YAMAZAKI KATSUHIKO**(54) **MAGNETIC RECORDING MEDIUM**

(57) Abstract:

PROBLEM TO BE SOLVED: To suppress abrasive ability of a back coat layer to a low level when improving durability by incorporating alumina in the back coat layer.

SOLUTION: In this magnetic recording medium, a back coat layer includes at least carbon black and alumina as non-magnetic powder, and an alumina content (x) pts. wt. and abrasive ability (y) of the back coat layer are within a range surrounded by four equations: $y=4.6x+12.2$, $y=4.1x+10.8$, $y=13$, and $y=17$, when a graph is drawn on xy orthogonal coordinate axes, wherein, (y) indicates width length in the running direction of a surface formed by wear of a Sendust(R) bar when the corner part of the Sendust bar 2 of a square pillar type are supported by a tension of 0.526 N/cm per unit width in a state in which they are pushed perpendicularly into the back coat layer to an entering angle 12°, and the bar 2 runs one reciprocation of 50m at a running speed of 0.3 m/s.

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